

WHAT IS CLAIMED IS:

1. A connector, comprising an operation member, and a connector

3 seat, wherein:

the operation member includes an operation seat;

the connector seat is combined with the operation member and

6 includes:

a main body movably mounted on the operation seat of the operation

8 member;

a movable rod slidably mounted in the main body and has a first end

10 rested on an end face of the operation seat of the operation member and a

11 second end having a periphery formed with a receiving cavity;

a positioning ball movably mounted on the main body and aligned

13 with the receiving cavity of the movable rod; and

at least one spring mounted on the movable rod and urged between

15 the main body and the movable rod.

2. The connector in accordance with claim 1, wherein the main body

17 of the connector seat has an inner wall formed with an annular slide groove,

18 and the operation seat is provided with a retaining ball slidably mounted in the

19 slide groove of the main body, so that the main body is movable relative to the

20 operation seat of the operation member.

3. The connector in accordance with claim 1, wherein the operation

22 seat is formed with an elongated guide slot, and the connector further

1 comprises a fixing pin extended through the main body and the guide slot of
2 the operation seat, so that the operation seat is movable relative to the main
3 body.

4 4. The connector in accordance with claim 1, wherein the operation
5 seat is provided with a retaining ball, and the main body has a wall formed with
6 an elongated guide slot to receive and guide the retaining ball of the operation
7 seat, so that the operation seat is movable relative to the main body.

8 5. The connector in accordance with claim 1, wherein the main body
9 is formed with an oblong slot, and the operation seat is provided with a
10 retaining pin slidably mounted in the oblong slot of the main body, so that the
11 operation seat is movable relative to the main body.

12 6. The connector in accordance with claim 1, further comprising an
13 extension mounted between the operation seat and the main body, wherein the
14 extension is movable relative to the main body, so that the movable rod
15 mounted in the main body is pushed by the extension to move the receiving
16 cavity to align with the positioning ball.

17 7. The connector in accordance with claim 1, wherein the at least one
18 spring is a restoring spring mounted on the movable rod and having a first end
19 rested on the first end of the movable rod and a second end rested on an inside
20 of the main body.

21 8. The connector in accordance with claim 1, wherein the at least one
22 spring is a cone-shaped spring mounted on the movable rod and having a first

1 end rested on the end face of the operation seat of the operation member and a
2 second end rested on an inside of the main body.

3 9. The connector in accordance with claim 1, wherein the receiving
4 cavity of the movable rod has a side formed with an inclined face rested on the
5 positioning ball.

6 10. The connector in accordance with claim 1, wherein the main
7 body is movable relative to the operation seat of the operation member to
8 retract the positioning ball into the receiving cavity of the movable rod.